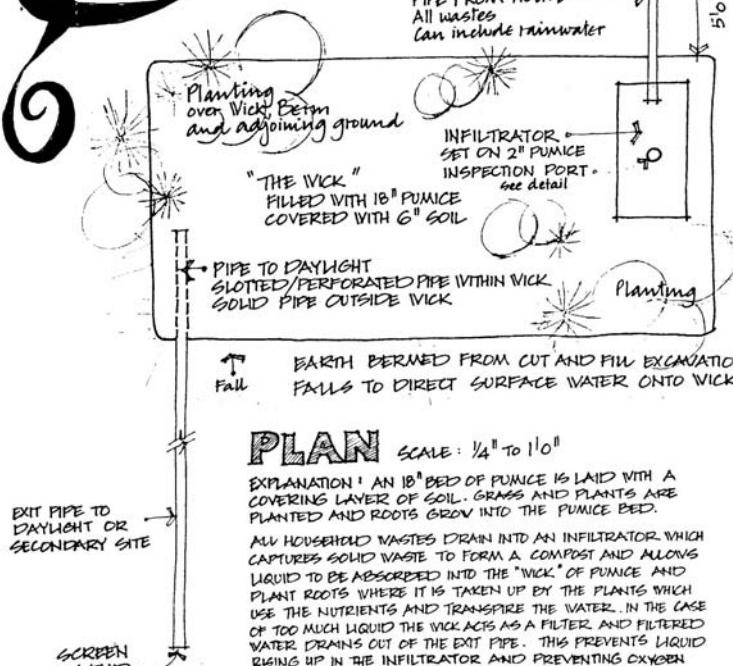
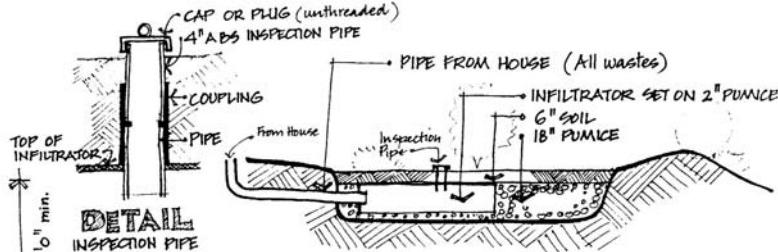


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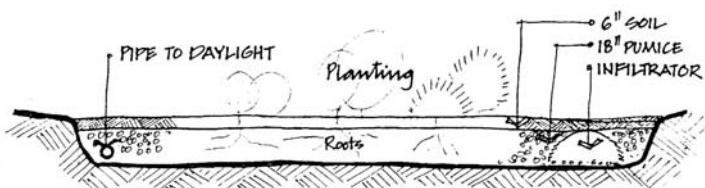
WATSON WICK



SUCCESS IN BUILDING WICKS COMES WITH PRACTICE. THIS INFORMATION DOES NOT GUARANTEE SUCCESS THE FIRST TIME THEREFORE CONSTRUCTION SUPERVISION INCLUDING SITE AND SOIL ANALYSIS CAN BE ARRANGED BY TOM WATSON, P.O. BOX 8, EMBUDO, NM 87531 OR (505) 570.4001



CROSS SECTION



LONG SECTION

NOTES: PUMICE SIZE IS DETERMINED BY FINENESS OF PASSAGeways NOT AGGREGATE SIZE eg. "PIT RUN" OR "MINE RUN" PUMICE (2" TO PAN) (1/4" TO PAN). IF PUMICE OR OTHER VOLCANIC AGGREGATES ARE NOT AVAILABLE, BUILDERS' SAND (1/4" DOWN) COULD BE USED.

TOP SOIL SHOULD BE FILLED SEPARATELY DURING EXCAVATION AND USED AS COVER FOR THE WICK. USE THE SUBSOIL FOR THE BERM. THERE IS NO NEED TO HAUL AWAY EXCAVATED MATERIAL: - USE IT! IF YOUR SITE HAS NO SOIL (eg BEDROCK CONDITION) THEN DIRT CAN BE IMPORTED AND USED WITH RETAINING WALL.

IF SOIL UNDER WICK IS PARTICULARLY COARSE SAND OR GRAVEL THEN A LAYER OF STRAW AND MANURE CAN BE LAID TO HELP ANAEROBIC BACTERIA START A "CLOGGING LAYER".

INFILTRATORS AND OTHER PLASTIC DEVICES ARE COMMONLY AVAILABLE. IF UNOBTAINABLE A CYLINDER OF STACKED BRICKS OR STACKED TIRES MAY BE USED AS A COMPOSING CHAMBER TO ALLOW LIQUID TO ESCAPE BUT PREVENT DIRT OR PUMICE ENTERING CHAMBERS.

PLANTS: PERENNIALS ARE BEST BECAUSE OF PERMANENT ROOTS. LAWNS, SHADE TREES, FRUIT TREES, BERRIES, GRAPE ARBORES ETC. ALL ARE SUITABLE (NO DISEASE VECTORS VIA ROOTS).

GUARANTEE SUCCESS THE FIRST TIME THEREFORE CONSTRUCTION SUPERVISION